



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1638
Examiner : Anne R. Kubelik
Serial No. : 09-807,721
Filed : April 18, 2001
Inventors : Henry Daniell
: Keith Wycoff
Title : PRODUCTION OF ANTIBODIES
: IN TRANSGENIC PLASTIDS



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PATENT TRADEMARK OFFICE

Docket: 1463-PCT-US-00

Confirmation No.: 4041

Dated: March 10, 2003



RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Official Action dated September 10, 2002, Applicants amend as follows:

Marked-up Version in the Claims

Please cancel claims 8-10 and 41-43 without prejudice or disclaimer of the subject matter contained therein.

1. (Amended) A plastid transformation and expression vector which comprises an expression cassette comprising as operably linked components, a 5' part of the plastid DNA sequence inclusive of the spacer sequence, a promoter operative in said plastids, a selectable marker sequence, at least one DNA sequence encoding at least a portion of an immunoglobulin mutimeric chain, ~~a~~at least one DNA sequence encoding a chaperonin, transcription termination region functional in said plastid and the 3' part of the plastid DNA sequence.

2. (Amended) ~~A~~The plastid transformation and expression vector of claim 1 wherein ~~the~~said-immunoglobulin mutimeric chain comprises a heavy chain.

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